

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

DRAINAGE Survey

LARPENTEUR

From Hamline To Fernwood

Road Acc't. No. _____

Date Filed _____

DR 9
File BK 37

Dec. 18, 1958

1

LARPEUR DRAINAGE AREA

fence & pump location

2 pages

PCC - 12/19/58

33

+75 $\frac{R. Tie}{Fe}$

+35 $\frac{Fe Cir}{33.5}$

+38 $\frac{PP}{42}$

+16 $\frac{PP}{90}$

+15 $\frac{Gate Valve}{92}$

+09 $\frac{Pump MH}{98}$

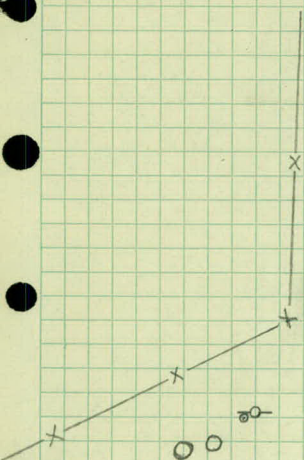
32

+07 $\frac{Wet Well M.H.}{105}$

+85 $\frac{Lin Fe}{192}$

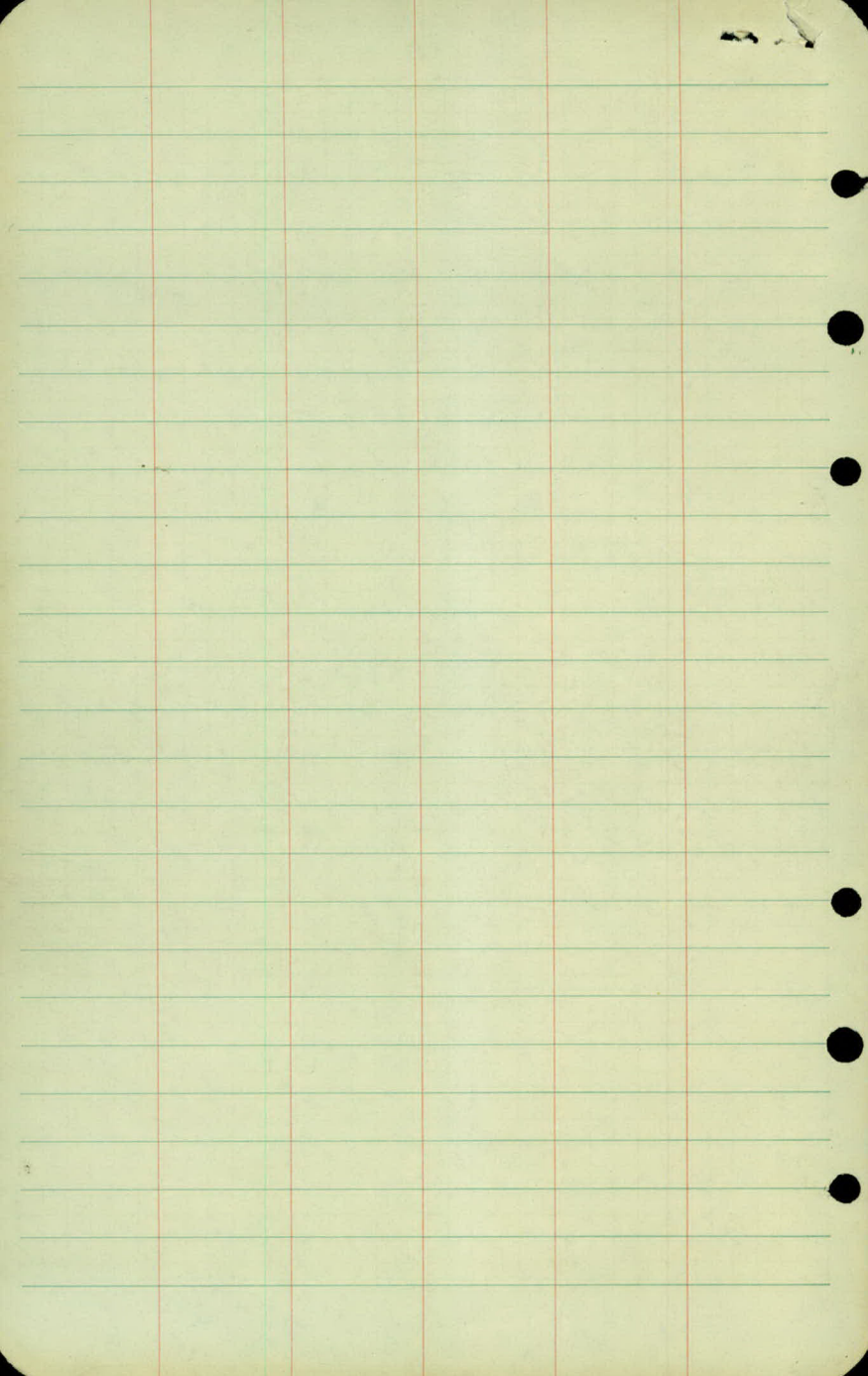
Dec. 18, 1958

2



o

~~E~~ Carpenter



March 21, 1958
Clear 24°

1

Drainage Hole X-Sections

2+32

8 pages

0+00

114° 58'

97.6

34+11.4

Larpenneur Ave

Sta + π - Elev

BM 0.95 906.59

(903.54)

W.S.

13.83

2-16

0+00

✓

+13

✓

+23

14

FA
FG
HP
AB

March 26, 1958 2

Lt

RT

S. End Middle Horizontal Bar S.E. Cor Fe

8.0 10.3 12.6 16.2 13.5
6 10 22 30

9.9
35

9.9 12.0 15.4 17.4 17.9 15.3
23 10 9 18 28

10.1 13.4
34 31

12.0 12.0 16.2 16.0 18.6 18.1 16.4
26 16 8 10 20 29

8.6
33

14.4 13.5
34 31

Sta

+

π

-

Elev

13.8

906.59

0+33

✓

+43

✓

+53

A. 52

March 21, 1958

3

Lt

Rt

12.5	14.3	16.4	16.6	19.2	19.7	16.5
31	14	10		10	20	29

→ 8.7
37

10.2 13.7
34 31

16.4	16.8	17.2	16.7	19.9	19.6	15.2
26	20	10		10	20	29

→ 12.7 8.7
31 35

10.0 13.4
35 31

16.4	17.8	17.8	16.6	20.4	2.0	16.5
29	21	11		11	21	28

→ 12.8 8.5
35 39

10.2 13.7
35 31

Sta + π - Elev 138

906.59

+63

+73

✓

+83

+93

✓

2 March 21, 1958 4

11

At

18.0

16.3	18.9	17.8	17.9	18.2	19.3	15.4
30	20	10		10	20	30
13.0	9.4				9.6	13.5
33	39				35	32

17.6

15.4	19.3	19.0	17.4	17.8	18.3	15.4
32	20	10		10	20	29
12.8	9.4				9.0	13.2
35	40				34	31

Sta + π - Elev 13.8

906.59

1+03

+13

✓

+23

+33

✓

Lt

£ March 26, 1958

Rt 5

18.3

18.2 19.8 17.8 17.8 19.3 19.8 17.0
29 20 10 10 20 29

15.1 12.8 9.4
33 36 39

9.8 13.2
35 32

17.8

19.6 20.0 18.9 17.1 19.6 20.0 17.0
30 20 10 10 20 28

15.1 13.1 9.2
37 38 42

9.6 13.7
34 31

Sta + π - Elev

178

906.59

1+43

+53

✓

+63

52
51
39

+73

✓

Lt

March 21, 1958

Rt

6

17.8

19.0	20.6	19.1	17.5	19.2	19.1	18.6
31	19	9		8	15	24

17.1	12.8	9.8		9.7	13.8
35	39	41		34	30

18.0

19.6	21.0	19.8	18.1	20.6	19.5	16.9
27	22	11		10	21	28

17.1	14.5	10.1		9.7	13.7
34	37	39		34	31

Sta + x - Elev.

73.9

906.59

1+83

1+93

✓

2+03

+13

✓

Lt

March 21, 1930 Rt

7

18.5

19.5	20.8	20.2	18.8	20.5	19.7	17.4
27	20	10		10	21	28

→ 17.2	13.8	10.2		9.7	13.8
33	35	37		34	30

19.8

17.1	20.1	21.1	20.3	19.7	19.4	16.2
28	19	10		10	19	26

→ 14.3	10.1			9.4	13.6
29	32			33	29

Sta + π - Elev 13.8

906.59

2+23

v

+32

check

4.52 902.07 902.0

2 March 26, 1958 8

Lt

Rt

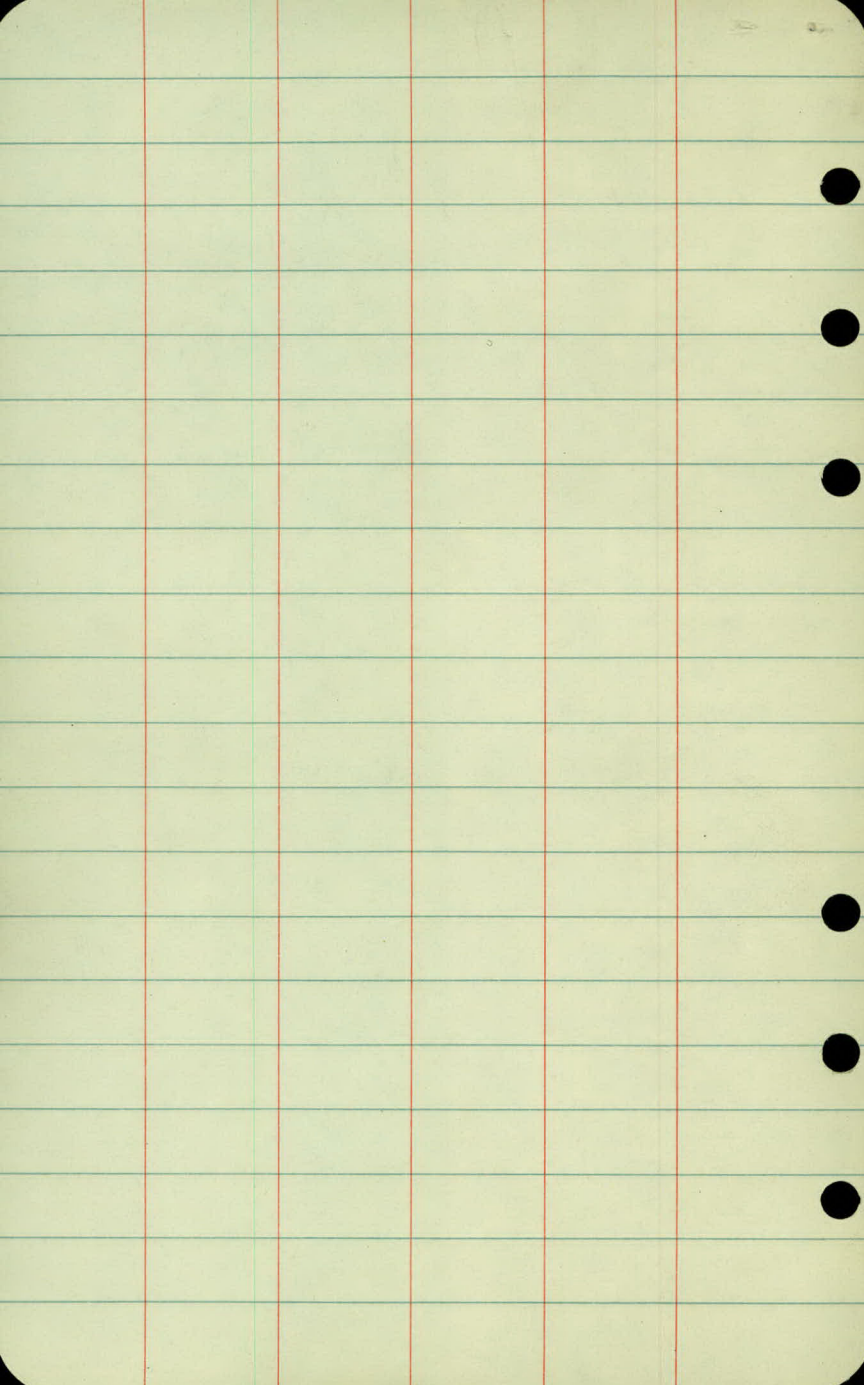
15.3	17.9	19.2	19.5	18.2	17.5	15.8
22	18	8		8	17	20

12.6	10.8
23	25

10.1	13.8
25	21

10.4	11.1	11.1	11.3	9.2	9.5	9.7
26	20	8		11	19	25

Bot. Fe



Dec 26, 1957

5

Storm Sewer Pump Line

Profile

(Proj. 58-30)

6 pages

city datum = -694.1

Sta + π - Elev

BM 2.72 949.46 946.74

BM 1.03 942.32 8.17 941.29

BM 9.50 948.57 3.25 939.07

0+00 12.55 241.92 936.02

+15 12.5 242.0 36.1

+30 12.0 242.5 36.6

+60 10.8 243.7 37.8

1 8.3 246.2 40.3

+30 7.0 247.5 41.6

+60 5.7 248.8 42.9

+90

FX
KP
CW

Dec 26, 1957

6

Lt.

Rt.

Tap Hyd S.W. Cor Hamline & Carpenter

Tap Hyd S.W. Cor Hamline & Idaho

Tap Hyd S.W. Cor Huron & Idaho

E. Huron & Idaho NW Rim MH Sanitary

Edge Oil or Bt. surface

Sta	+	π	-	Elev
		948.57		
2+00			4.4	250.1 44.2
+34			4.0	250.5 44.6
+43			8.8	245.7 39.8
+51			13.0	241.5 35.6
TP	5.98	942.77	11.78	936.79
+65			15.7	27.1 41.20 233.0
TP	0.07	932.00	10.84	931.93
+75			10.1	227.8 21.9
TP	2.92	922.71	12.21	919.79
3			7.7	220.9 15.0
+11			9.0	219.6 13.7
+26			8.0	220.6 14.7

Dec 26, 1957

7

on stamp

Sta	+	Σ	-	Elev.
		922.71		
3+45			6.9	221.7 15.8
+69			6.9	221.7 15.8
+79			10.4	218.2 12.3
+93			2.8	220.8 14.9
A			2.8	220.8 14.9
+24			9.9	218.7 12.8
+36			2.1	226.5 20.6
TP	12.28	933.12	1.87	920.84
+46			4.4	234.6 28.7

Dec 26, 1957

48

Sta	+	π	-	Elev.
-----	---	-------	---	-------

933.12

4+50

4.7

234.3
28.4

+73

4.2

234.8
28.9

5

4.5

234.5
28.6

+22

5.2

233.8
27.9

+45

5.5

233.5
27.6

+68

5.7

233.3
27.4

+92

5.6

233.4
27.5

6

5.4

233.6
27.7

+12

5.0

234.0
28.1

Dec 26, 1957

9

Sta	+	π	-	Elev.
-----	---	-------	---	-------

933.12

6 + 15

3.3

235.7
29.8

+27

2.8

236.2
30.3

+38

2.8

236.2
30.3

+39

3.0

236.0
30.1

+64

2.7

236.3
30.4

TP 0.16 921.21 12.07 921.05

BM

8.32

912.89 (912.86)

Dec 26, 1957

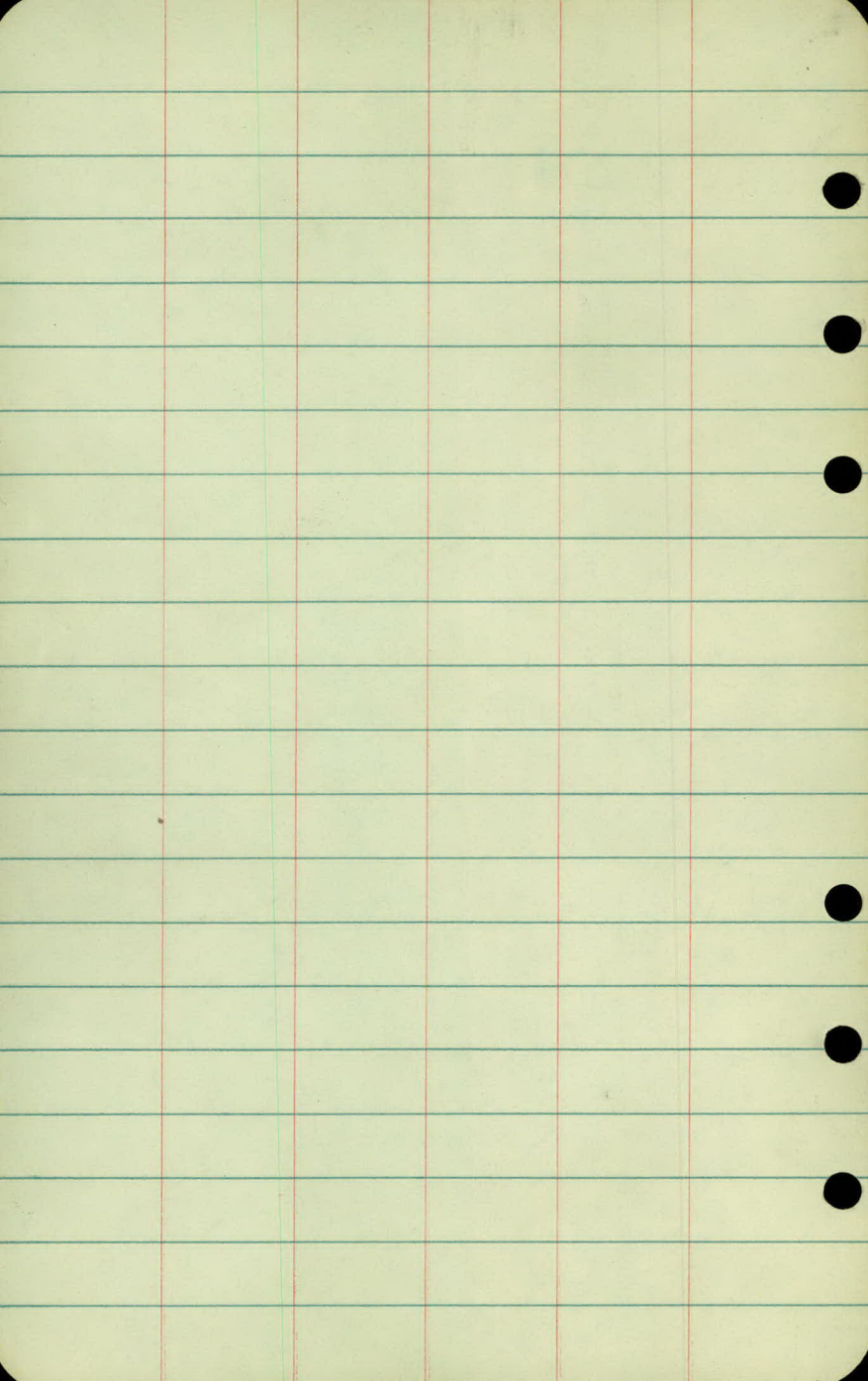
10

Back of B.T. Curb

Gutter

£ Larpenieur Sta 30+00.89

Top S.W. Cor Conc Ent Slab 125



DIST.

VERT.
ANGLE

ROD
EQUIV.

ROD

DIFF.

ELEV

Ramsey Co. Drainage Area

Fence Location

3 pages

Rec. 3/28/57

OBJECT

AZ.

STADIA

at 180' N of
 Latp. 81' W. of
 East line

Bearing N 27° 55' W

to N.N.E. Co. Property 332° 05'

Fe at
 E. Edge Ditch

231° 30' 162 ✓

Fe

230° 40' 154 ✓

"

230° 55' 145 ✓

"

S.E. Co.

232° 05' 136 ✓

"

241° 30' 130 ✓

"

255° 10' 134 ✓

"

267° 30' 146 ✓

"

279° 10' 165 ✓

"

289° - 194 ✓

"

298° 30' 238 ✓

"

299° 25' 255 ✓

"

Disconnected Last Winter 299° - 244 ✓ Done

"

298° 35' 270 ✓

"

295° 40' 284

"

291° 15' 302

FA
KP
WJ
DIST VERT. ROD May 28, 1957
ANGLE EQUIV. ROD DIFF. ELEV 2

OBJECT

AZ.

STADIA

Fe	287°20'	295'	✓
"	282°30'	282	✓
"	276°-	264	✓
"	265°50'	239	✓
"	251°25'	219	✓
"	243°-	214	✓
"	237°-	203	✓
"	233°30'	181	✓
" at W. edge of ditch	232°15'	169	

Posts Between which

Fence Was Down { 299°26' 261

by Emil Beaudett { 298°41' 269

OBJECT

AZ.

STADIA

1864.66
1352.65

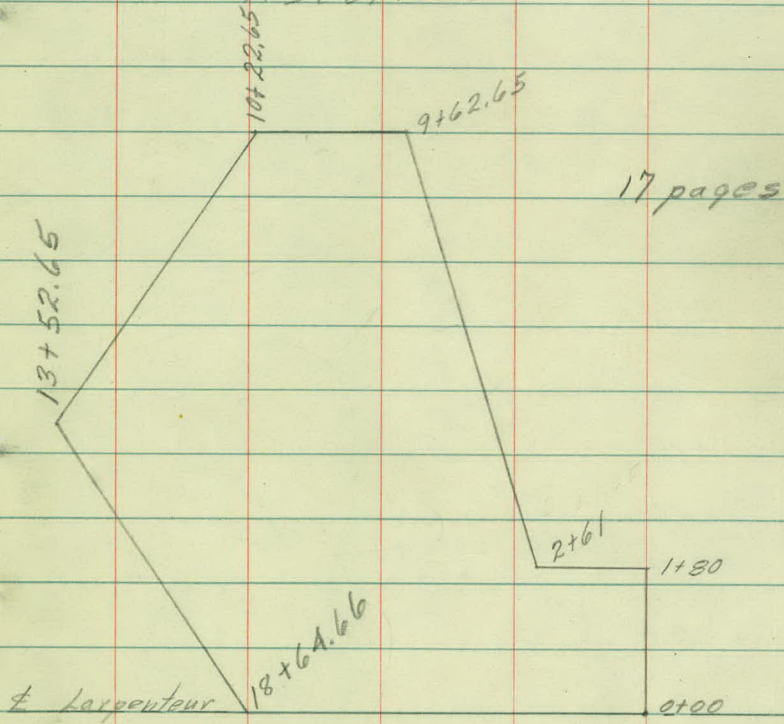
512.01

Ramsey Co. Property

in S.W. 1/4 of S.E. 1/4 Sec. 15-29-23

Drainage Basin

x-sections



Sta + x - Elev

BM 1.84 914.85 (913.01)

TP 4.68 916.05 3.48 911.37

0+00 ± Larpenteur

0+50

+80

1

✓

+37

FX
RP
WJ

14

May 27, 1951
Cool Clear 53° $\pm$ 2

S.W. Cor Conc Ent Steep. 1255 W. Larp

			01.6	04.1	04.8	04.8	
			14.5	12.0	11.3	11.3	P
			7	5	3		
	03.2	05.7	09.1	08.6	10.7	11.6	P
	12.9	10.4	7.0	7.5	5.4	4.5	
	32	27	20	8	5		
	04.8	06.5	10.5	10.8	11.2	12.4	P
	11.3	9.6	5.6	5.3	4.9	3.7	
	59	43	33	21	14	8	
	03.6	02.3					
	12.5	13.8					
	65	76					
	05.9	07.1	09.7	10.7	11.3	12.2	P
	10.2	9.0	6.4	5.4	4.8	3.9	
	88	80	66	58	33	13	
	04.3						
	11.8						
	100						

Sta + π - Elev

9/6.05

1+80 Along P.L.

81
2+61

✓

3

TP 0.35 903.24 13.16 902.89

0+50

+57 ± 3' Ditch Bottom + Top

May 27, 1957

2

3

1+

10.2	10.4	10.3	10.6	11.1	11.6	12.7
5.9	5.7	5.8	5.5	5.0	4.5	3.4
100	98	82	69	46	27	

07.5	06.9	04.7	03.6
8.6	9.2	11.4	12.5
128	133	137	143

03.0	05.1	08.5	09.4	11.0	11.6	11.9
13.1	11.0	7.6	6.7	5.1	4.5	4.2
68	54	40	34	22	4	

93.5	94.9	95.3	95.9	95.2	95.5	96.8
9.7	8.3	7.9	7.3	8.0	7.7	6.4
117	100	76	50	30	26	21

93.9	93.9	93.7	94.0	93.4	93.1
9.3	9.3	9.5	9.2	9.8	10.1
130	150	170	188	200	207

97.2	96.3	94.5
6.0	6.9	8.7
242	228	214

10.2
200

Sta + π - Elev.

903.24

0+65 $\pm$ 5' Ditch Bottom & Top

0+80

✓

✓

1

Lt

May 27, 1957

4

894.58

93.1

8.66
Water
Surface10.1
Fe
202

74.8	95.0	95.0	94.9	95.7	01.9
8.4	8.2	8.2	8.3	7.5	1.3
130	128	115	100	60	48

94.5	94.0	94.7	96.1	96.1	96.1
8.7	9.2	8.5	7.1	7.1	7.1
153	175	177	183	197	200

Fe

92.2	93.9	95.9
11.0	9.3	7.3
210	205	203

96.3	94.4	94.3	95.2	95.6	97.0	98.8
6.9	8.8	8.9	8.0	7.6	6.2	4.4
149	142	129	122	109	100	89

96.2	96.1	96.4	96.3*
7.0	7.1	6.8	6.9
161	173	186	193

Fe

Sta + π - Elev

903.24

1+37

✓

+80

3

TP 12.50 912.60 3.14 900.10

TP 13.31 923.12 2.79 909.81

+50

A

May 22 1957

£

5

1+

96.9

96.8

95.8

96.4

98.2

92.7

6.3

6.4

7.4

6.8

50

0.5

69

53

42

38

28

119

96.6

96.6

96.6A

6.6
88

6.6
100

6.6
206

Fe

96.1

96.9

97.5

98.6

99.5

92.0

7.1
230

6.3
214

5.7
200

4.6
188

3.7
173

1.2
158

Fe

99.2

99.3

91.5

4.0
100

2.9
88

1.7
78

99.5

10.2

11.3

12.9

15.6

16.5

13.6
37

12.9
33

11.8
30

10.2
18

7.5
3

6.6

99.9

11.9

13.5

17.4

21.3

13.2
37

11.2
28

9.6
21

5.7
6

1.8

⊙

Sta + π - Elev

923.12

4+50

5

+50

6

+50

7

May 28, 1957

6

14

09.6	09.8	10.2	11.8	14.7	18.4	22.3
13.5	12.9	11.3	8.4	4.7	0.8	
45	42	34	21	6		

09.9	10.7	12.2	15.5	18.5	21.4
13.2	12.4	10.9	7.6	4.6	1.7
44	40	32	18	6	

09.9	12.6	17.1	21.4
13.2	10.5	6.0	1.7
45	31	12	

10.1	11.4	14.1	16.9	22.9
13.0	11.7	9.0	6.2	0.2
41	35	22	11	

09.5	10.6	12.9	16.7	18.0	20.5
13.6	12.5	10.2	6.4	5.1	2.6
44	37	24	10	7	

10.0	11.0	13.4	16.5	19.9
13.1	12.1	9.7	6.6	3.2
38	33	19	6	

Sta + π - Elev

923.12

7+50

TP 3.95 920.75 6.32 916.80

2.5

18.2

8

✓

+50

✓

9

43

21

7

11

FA
K.P.
WJ

May 27, 1957
May 28, 1957
cloudy Fair 60°

7

1+

09.5

10.4

12.2

14.8

16.7

18.2

13.6
43

12.7
36

10.9
27

8.3
12 8

6.4 49

S.E. Rim M.H.

08.5

08.4

09.8

11.3

12.5

14.5

16.2

12.3
60

12.4
49

11.0
38

9.5
26

8.3
14

6.3
8

4.6

P.

08.1

09.3

14.5

11.0

12.7
76

11.5
79

10.3
95

9.8
100

10.2

09.6

09.4

09.4

10.0

12.5

15.5

10.6
65

11.2
61

11.4
57

11.4
44

10.8
25

8.3
7

5.3

P.

10.3

10.9

11.2

10.5
83

9.9
89

9.6
100

11.7

11.1

10.2

10.0

10.6

12.6

15.5

9.1
100

9.7
77

10.6
52

10.8
33

10.2
22

8.2
7

5.3

P.

Sta + A - Elev

920.75

9+50

✓

9+62.65

+ 70

+ 87

10

May 28, 1957

8

17

11.4

12.2

12.3

11.9

11.9

12.7

13.6

9.4

8.6

8.5

8.9

8.9

8.1

7.2

39

25

16

14

11

9

11.6

12.2

12.6

13.2

9.2

8.6

8.2

7.6

53

56

72

92

14.9

5.9

13.4

7.4

13.3

7.5

13.8

7.0

Sta + π - Elev

920.75

10+22.65

8+00

✓

+50

9

TP 3.30 910.68 13.37 907.38

3+50

May 28, 1957

£

9

14

14.2

6.6

15.6

52

192

14.2

6.6

176

13.9

6.9

160

13.3

7.5

139

12.4

8.4

124

11.3

9.5

105

P.

16.5

4.3

200

16.7

4.1

209

17.1

3.7

221

16.3

4.5

189

15.7

5.1

179

14.4

6.4

157

13.8

7.0

139

12.0

8.8

128

11.6

9.2

119

P.

16.0

4.8

167

15.8

5.0

164

15.3

5.5

157

14.2

6.6

138

12.5

8.3

126

12.4

8.4

109

P.

98.0

12.7

112

98.6

11.1

100

91.5

9.2

84

92.7

8.0

73

94.5

6.2

60

97.3

3.4

49

P.

95.9

14.8

125

95.7

15.0

132

Sta + π - Elev

910.68

4

✓

+50

✓

5

May 28, 1957

10

14

94	8.8	7.1	5.5	3.7	1.2
100	94	83	76	65	51

01.3

01.9

03.6

05.2

07.0

09.5

00.5

97.3

96.6

96.5

10.2	11.4	14.1	14.2
114	126	140	148
			Fe

97.5

99.7

01.9

04.2

07.4

09.7

132	11.0	8.8	6.5	3.3	1.0
112	100	82	72	55	43

96.9

97.1

13.8	13.6
125	133
	Fe

97.1

97.1

97.7

99.6

01.3

06.7

13.6	13.6	13.0	11.1	9.4	4.0
126	117	100	86	72	56

97.5

97.9

97.0

95.8

95.4

13.2	12.8	13.7	14.9	15.3
129	145	159	168	180

Sta + A - Elev

910.68

5

✓

+50

✓

✓

✓

6

6

✓

May 28, 1957

11

LT

97.2	96.0	95.2	96.0	95.8
13.5	14.7	15.5	14.7	14.9
253	235	215	200	193

P

01.2	05.5	09.2		
9.5	5.2	1.5		
271	283	293		
96.5	97.6	98.7	99.6	
14.2	13.1	12.0	11.1	
140	118	100	92	
				02.7
				8.0
				74
				05.2
				5.5
				64

45

96.4	95.3	95.5	96.3	99.9
14.3	15.4	15.2	14.4	10.8
164	192	200	214	242

P

09.2	05.2
1.5	5.5
270	261

97.0	97.4	99.0	00.1	03.3	07.4
13.7	13.3	11.7	10.6	7.4	3.3
146	124	100	91	71	55

P

96.6	96.1	96.5	97.3	01.4
14.1	14.6	14.2	13.4	9.3
171	191	200	215	241

Sta + π - Elev

9/10.68

6

+50

✓

✓

7

7

May 28, 1957

12

11

109.7
1.0
275
05.8
4.9
258

P

00.2
10.5
141
99.7
11.0
127
00.1
10.6
100
00.7
10.0
95
02.8
7.9
73
07.7
3.0
53

P 44

98.7
12.0
151
98.4
12.3
165
99.2
11.5
175
00.8
9.9
200
02.2
8.5
212

10.4
0.3
252
07.7
3.0
238
04.3
6.4
226

P

02.7
8.0
134
01.4
9.3
127
01.7
9.0
100
01.3
9.4
78
04.9
5.8
64
06.4
4.3
61

P 28

03.3
7.4
161
03.8
6.9
180
05.3
5.4
200
07.4
3.3
220
10.1
0.6
237

P

Sta + π - Elev

910.68

7+50

✓

T.P. 8.50 918.42 0.76 909.92

5+00

+50

6

+50

May 28, 1951

13

13

11

0.77

0.64

0.63

0.59

0.62

0.79

30

4.3

4.4

4.8

4.5

2.8

124

100

90

74

57

51

p

43

0.89

0.99

1.8

0.8

146

154

13.5

13.5

12.8

4.9

4.9

5.6

312

306

302

p.

13.9

13.5

12.7

4.5

4.9

5.7

311

291

280

p

14.2

13.7

13.0

4.2

4.7

5.4

305

295

284

p.

15.1

15.1

14.5

12.3

3.3

3.3

3.9

6.1

302

288

264

260

p

Sta	+	π	-	Elev
-----	---	-------	---	------

		918.42		
--	--	--------	--	--

7+00				
------	--	--	--	--

+50				
-----	--	--	--	--

✓				
---	--	--	--	--

--	--	--	--	--

16+50				
-------	--	--	--	--

--	--	--	--	--

17				
----	--	--	--	--

TP	8.47	914.56	12.33	906.09
----	------	--------	-------	--------

+50				
-----	--	--	--	--

May 28, 1957 E

14

11

15.7
2.7
286

Begin Sand
Pile

15.9
2.5
272

15.5
2.9
255

P. 237

1.7 16.7
254

2.0 16.4
235

5.1 13.3
221

6.2 12.2
200

11.8
66
191

10.2
8.2
175

P.

154

1.1 17.3
26.4
Begin Sand
Pile

04.8
13.6
19

06.1
12.3
14

13.0
5.4

P. +

06.3
12.1
13

09.4
9.0
9

12.7
5.7

P. +

02.0
12.6
46

03.0
11.6
38

05.5
9.1
26

08.3
6.3
16

13.3
1.3

P.

Sta + π - Elev

914.56

18

TP 4.32 906.24 12.64 901.92

16+50

17

+50

18

Water Surface

11.87 894.37

I.P. 8.73 914.15 0.82 905.42

B.M. 1.19 912.96 913.01

May 28, 1957

15

24

15

12.0	8.4	5.8	2.3
50	27	13	
02.6	06.2	08.8	12.3

10.4	8.9	8.1	7.0	4.3
95	77	66	44	31
95.8	97.3	98.1	99.2	01.9

P.T

9.8	9.7	7.2	5.9	6.0	3.7
96	89	72	55	36	24
76.4	76.5	99.0	00.3	00.2	02.5

f. X

9.1	8.7	5.6
104	93	72
97.1	97.5	00.6

X

8.1	7.4	6.0	5.4
115	103	82	72
98.1	98.8	00.2	00.8

N.E. Cor Conc Eht Stoop 12 55 W. Long

Sta	+	π	-	Elev
1	193.21	4.80	901.14	896.34

1

+37

4.50 896.64 896.64

+80

3+50

A

+50

FK
KP
WJ

21

May 28, 1957
F

16

94.1
7.0
200

95.8
5.3
198

94.1
7.0
215

96.7
4.4
213

94.1
7.0
239

96.4
4.7
238

94.1
7.0
142.5

95.9
5.2
141

94.2
6.9
159

96.8
4.3
157

94.1
7.0
142

96.5
4.6
140

Sta + π - Elev

901.14

16 + 50

17

+50

18

Water Surface

6.91 894.23

Lt

May 29, 1967

E

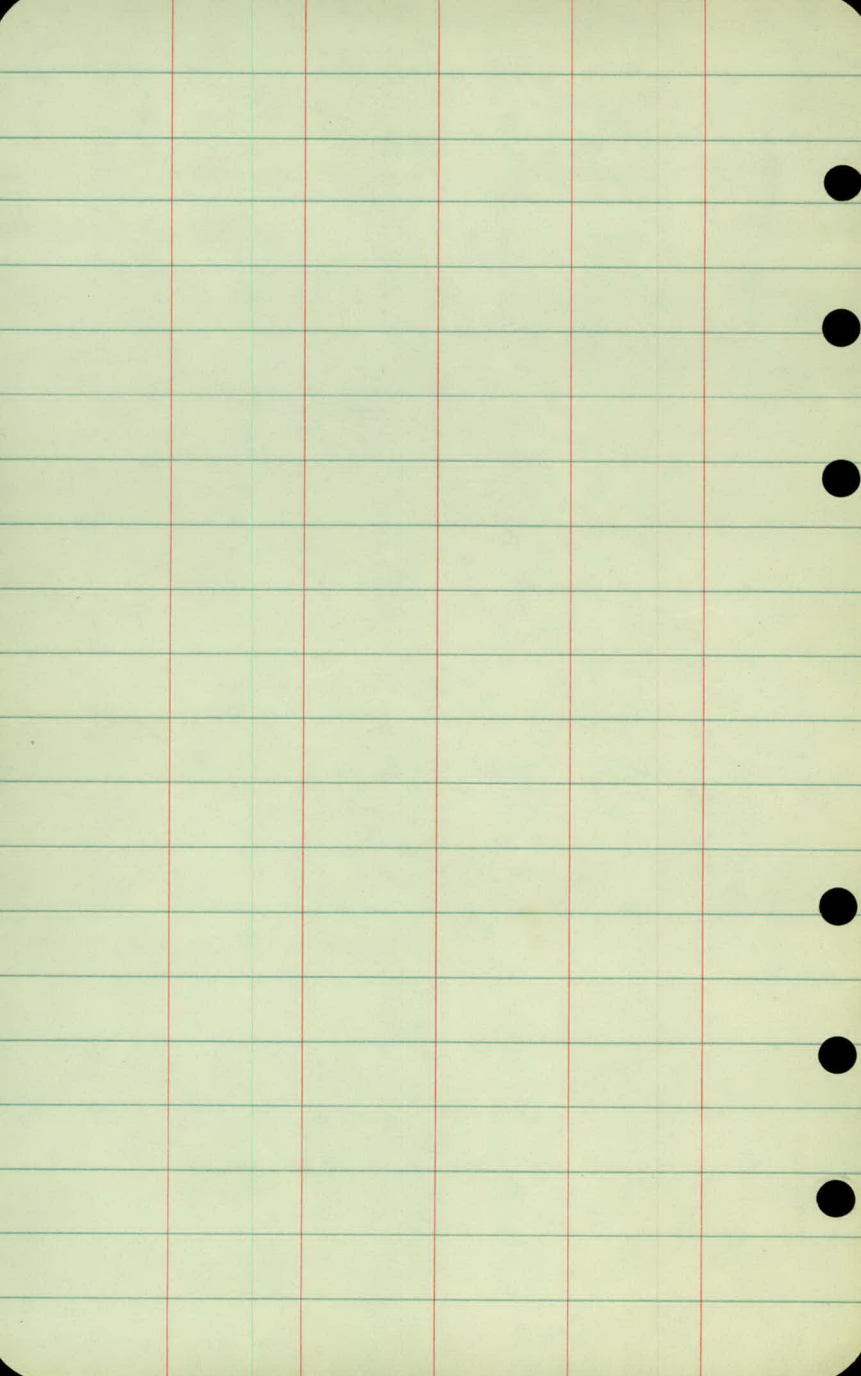
17

94.1	95.7
7.0	5.4
103	101

94.1	96.2
7.0	4.9
106	103

94.1	96.9
7.0	4.2
113	110

94.1	97.4
7.0	3.7
128	124



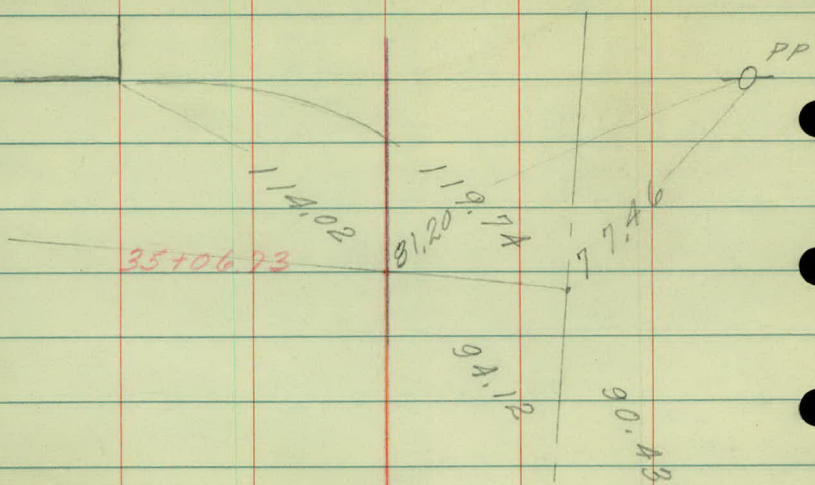
April 3, 1958

1

Larpenueur Ave

Hamline to Lexington

Drainage Area
Property Line

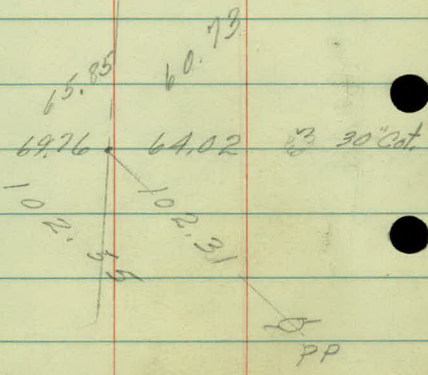


35+0673

PP

PP

32+23.47

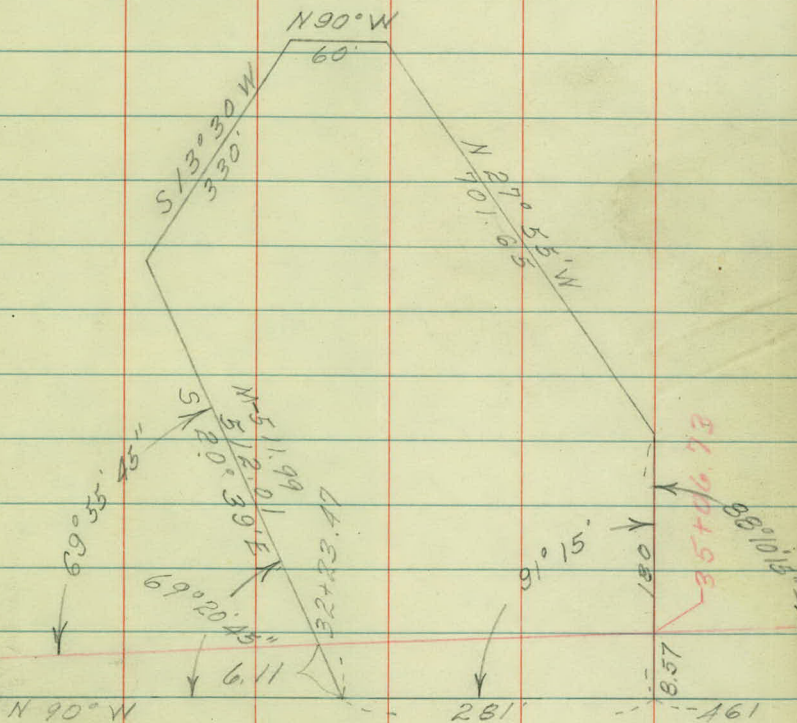


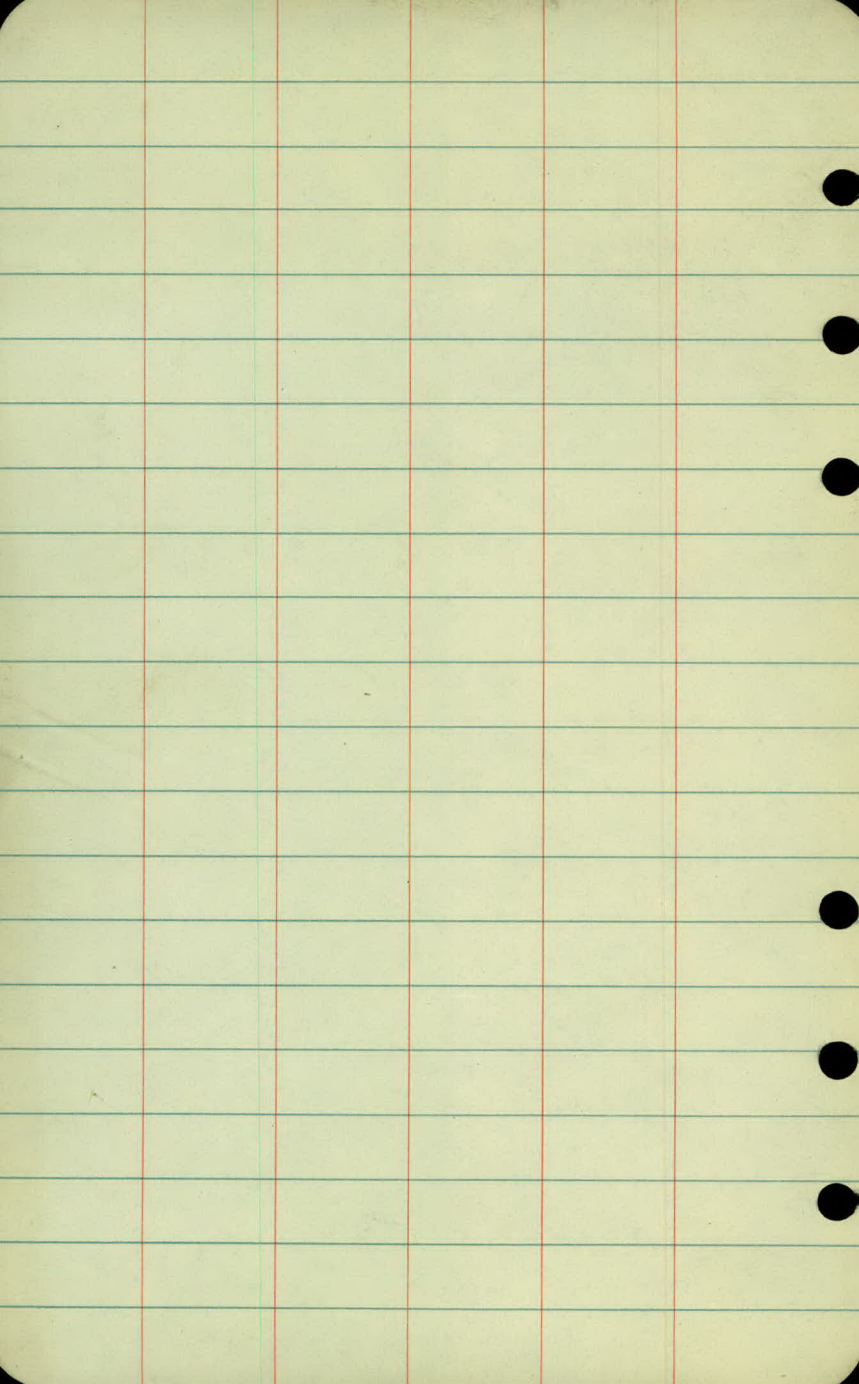
65.85 60.73 69.76 64.02 30 Cat

102.31 102.31

PP

2





May 22, 1958

sta 31

B Tree

106.96

86.67

> < |

sta 30

36.46

± HURON

106.02

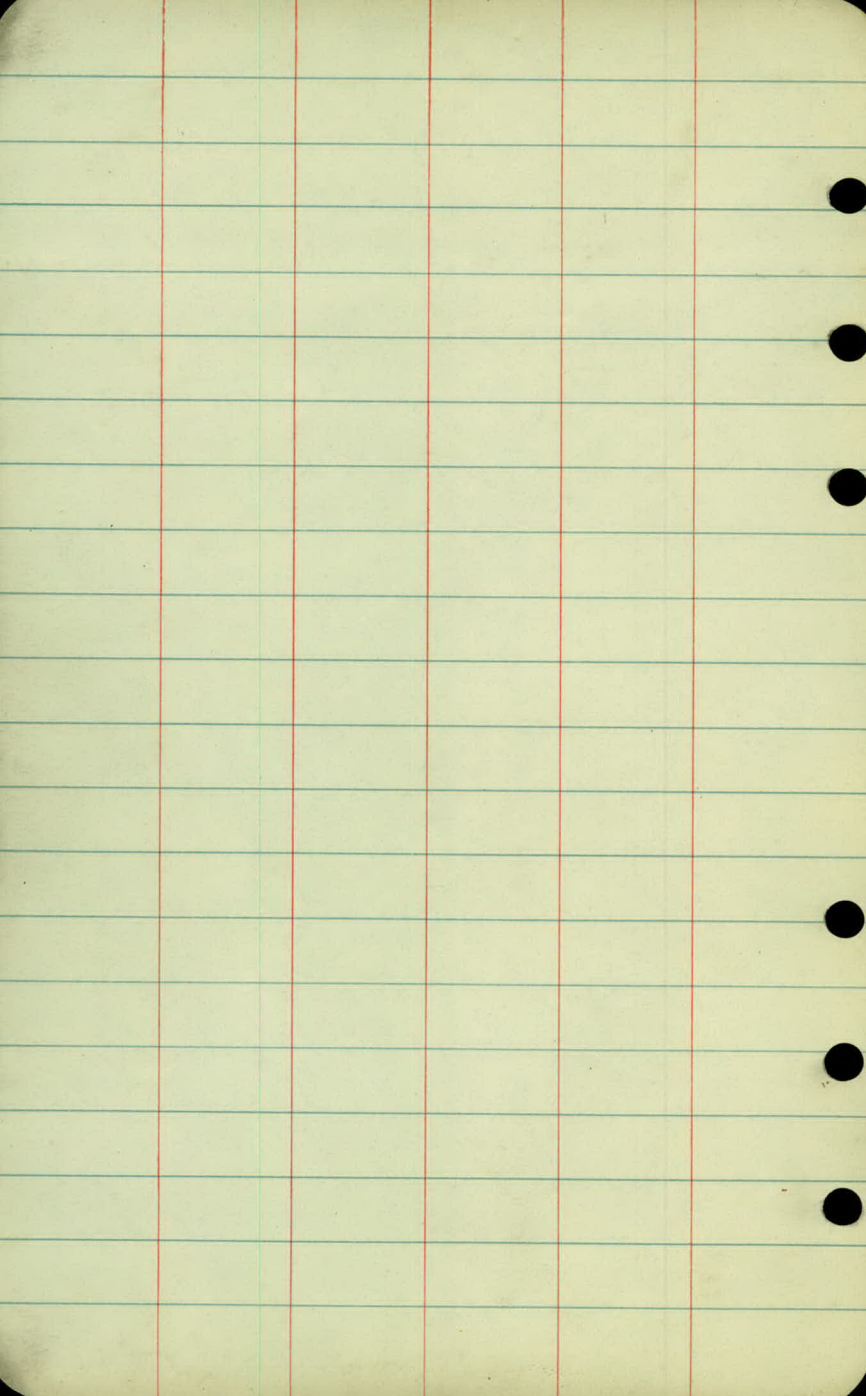
57.35

sta 29

NEW ± Carpenter

old Property line

○ 2" Pipe
Capped



OCTOBER 14, 1958

1.

LARPELLEUR AVE

PONDING AREA

Sta	+	π	-	Elev.	
BM	1.14	914.02			(912.88)
			13.17	900.85	
				899.00	
			14.08	899.94	
Gauge			.78	898.22	
Gauge			-1.02	897.98	.24
Gauge			-1.21	897.79	.19 43
Gauge			-1.94	897.06	.33 76
Gauge			-2.10	896.90	.14 90
"			-		
"			-		
"			-1.91		

TOP SLAB ENT. SAUER CONST CO.

TOP GAUGE

TOP GAUGE TO 0.00 = 1.85

ELEV GAUGE

H.W. MARK AFTER PREVIOUS RAIN.

ELEVATION OF WATER Oct 14, 1958

W.S. Oct. 15, 1958

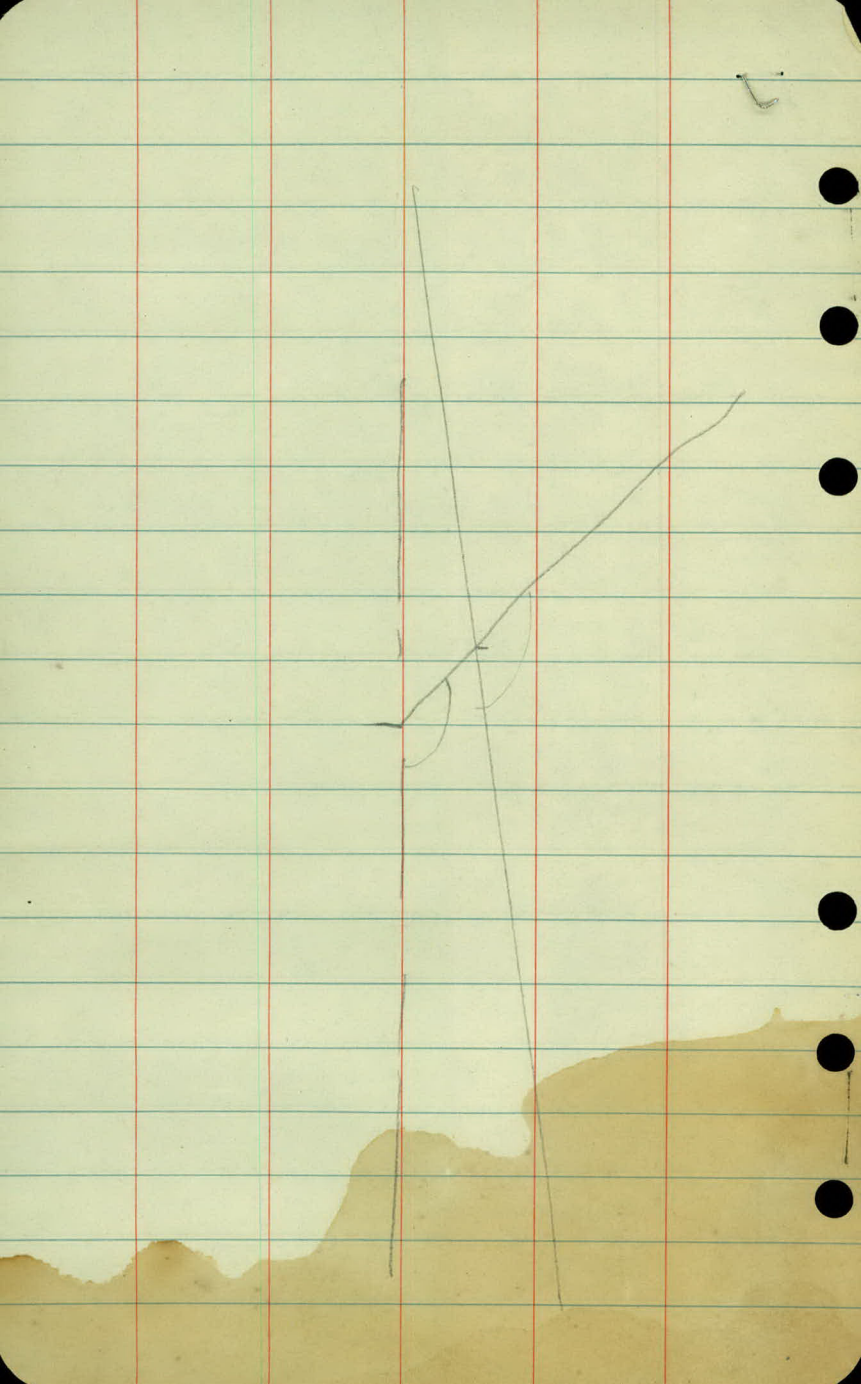
W.S. Oct. 16, 1958

W.S. Oct 20 1958

W.S. Oct. 21, 1958

Raining

W.S. Oct 24, 1958 after .17" Rain



KP
RB
DS
RH
JD

11 JUNE 1962

1.

LARPEUR AVE

FERNWOOD TO HAMLINE AVE

MH ELEVATIONS

Sta	+	π	-	ELEV.
BM	1.87	914.75		912.88
BM			+0.25	915.00
				914.91

BM			6.97	907.78
----	--	--	------	--------

11 JUNE 1962

2.

Lt

\$

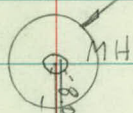
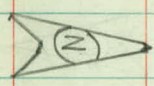
Rt

S.W. COR. CONC. SLAB 1255W. LARP

TOP HYD. S.W. COR LARP. CERNWOOD

SEE DETAIL VIEW #1

6.99 TOP CASTING
8.18 FL TO TOP CASTING.
 15.17 FL = 899.58



30.0

42"

45"

ROSEVILLE MH

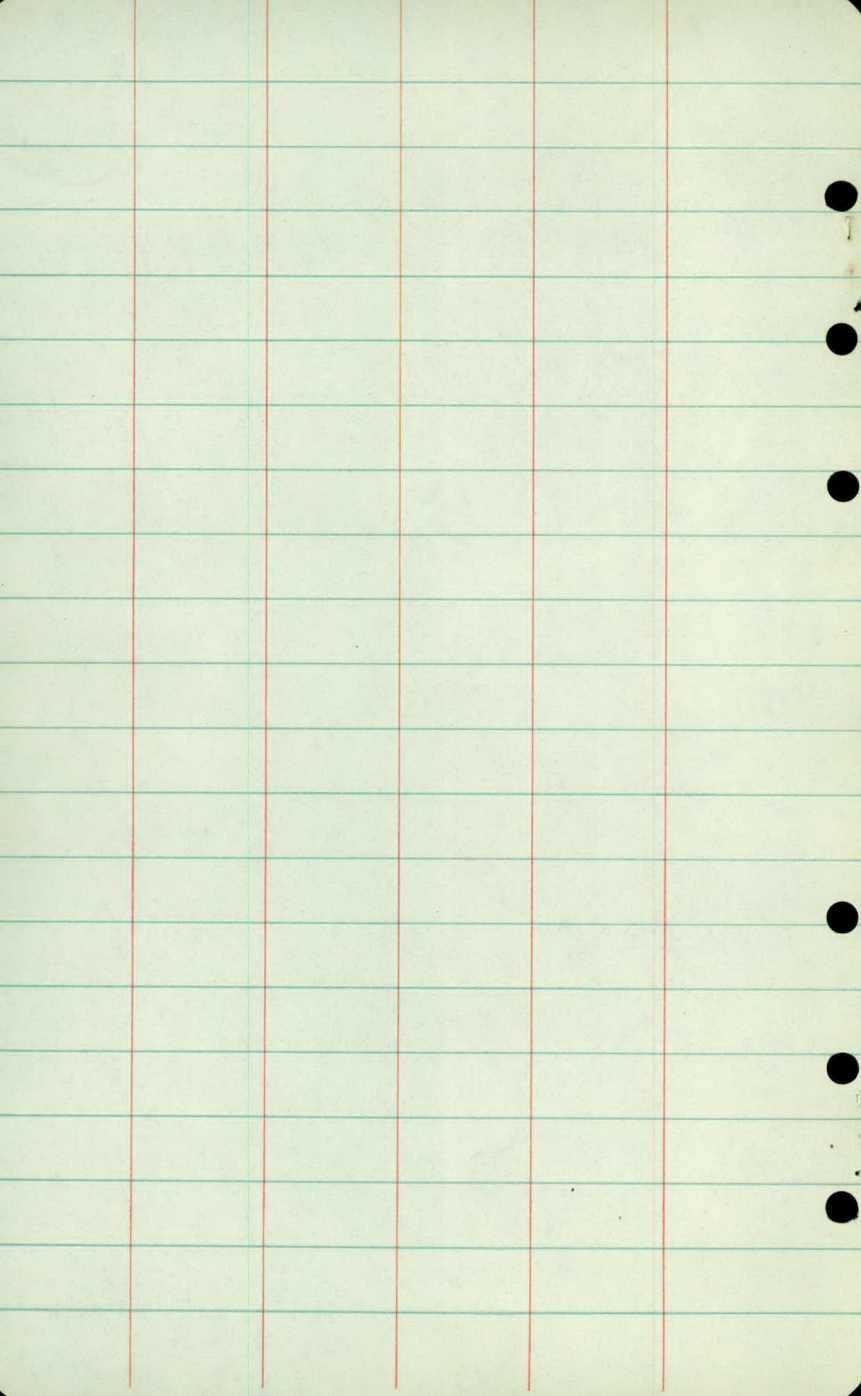
914.75

12.88

901.88 = FL

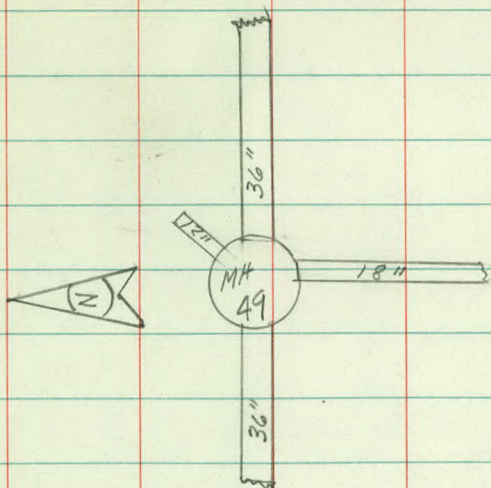
ROSEVILLE 42"

TOP MH # 49

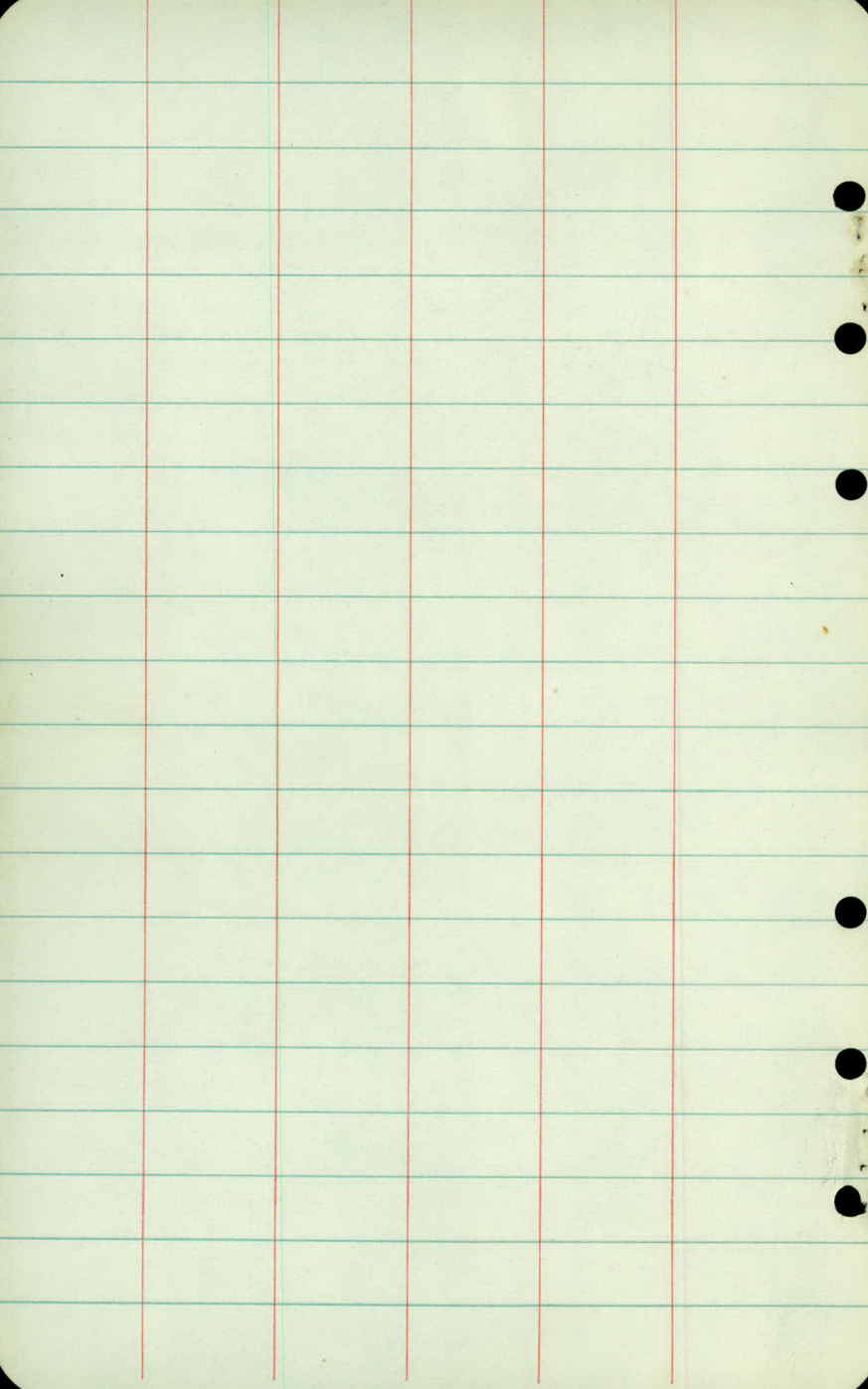


11 June 1962

3



DETAIL VIEW #1

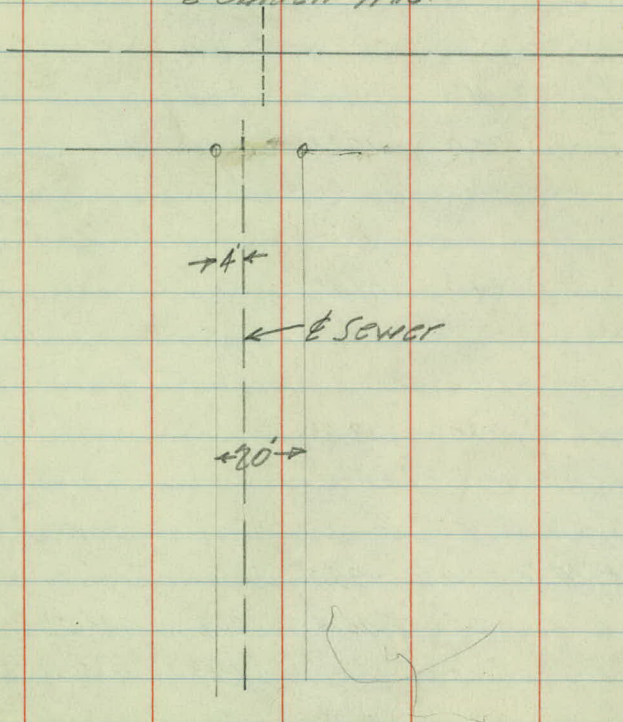


staking Notes

Sewer thru County Prop.

South of Garden Ave.

E Garden Ave.



Sto	P.G.	P.G.B	—	Elev.
B.M.	1.58	947.02		(945.44)
	2.77	937.18	12.61	934.41

0	+00	926.00	11.18	
T.P	1.61	935.63	3.16	934.02

	+25	25.75	9.88	
--	-----	-------	------	--

1		25.0	10.63	
---	--	------	-------	--

2		24.0	11.63	
---	--	------	-------	--

3		23.0	12.63	
---	--	------	-------	--

1209

	+74	22.26	13.37	
--	-----	-------	-------	--

T.P		12.85	946.36	2.12	933.51
-----	--	-------	--------	------	--------

B.M				0.93	945.43	(945.44)
-----	--	--	--	------	--------	----------

7-9-48

approx. 5' so. of end of present X drain

C. 7.5
2.38

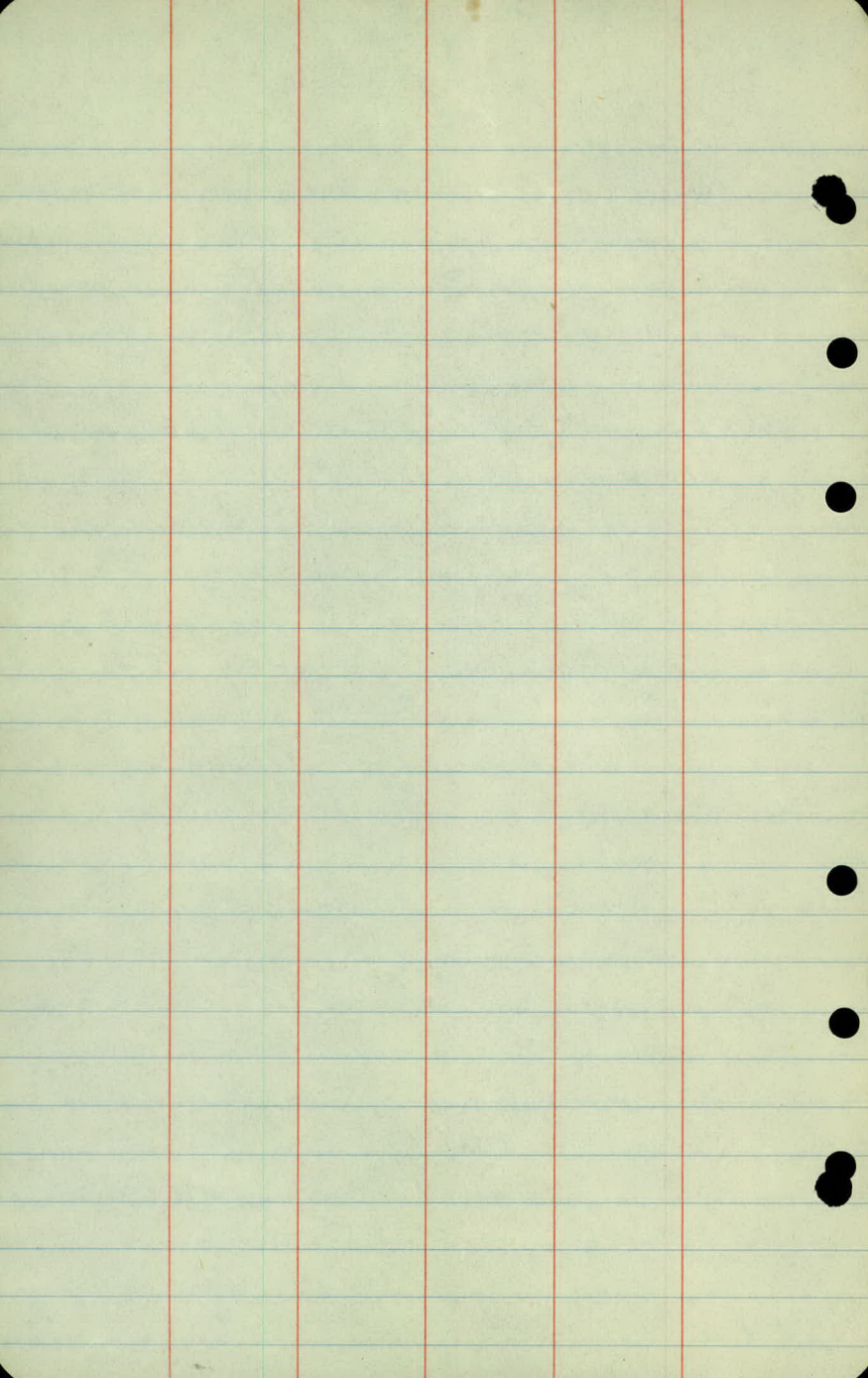
3.05
2.38
—
.67

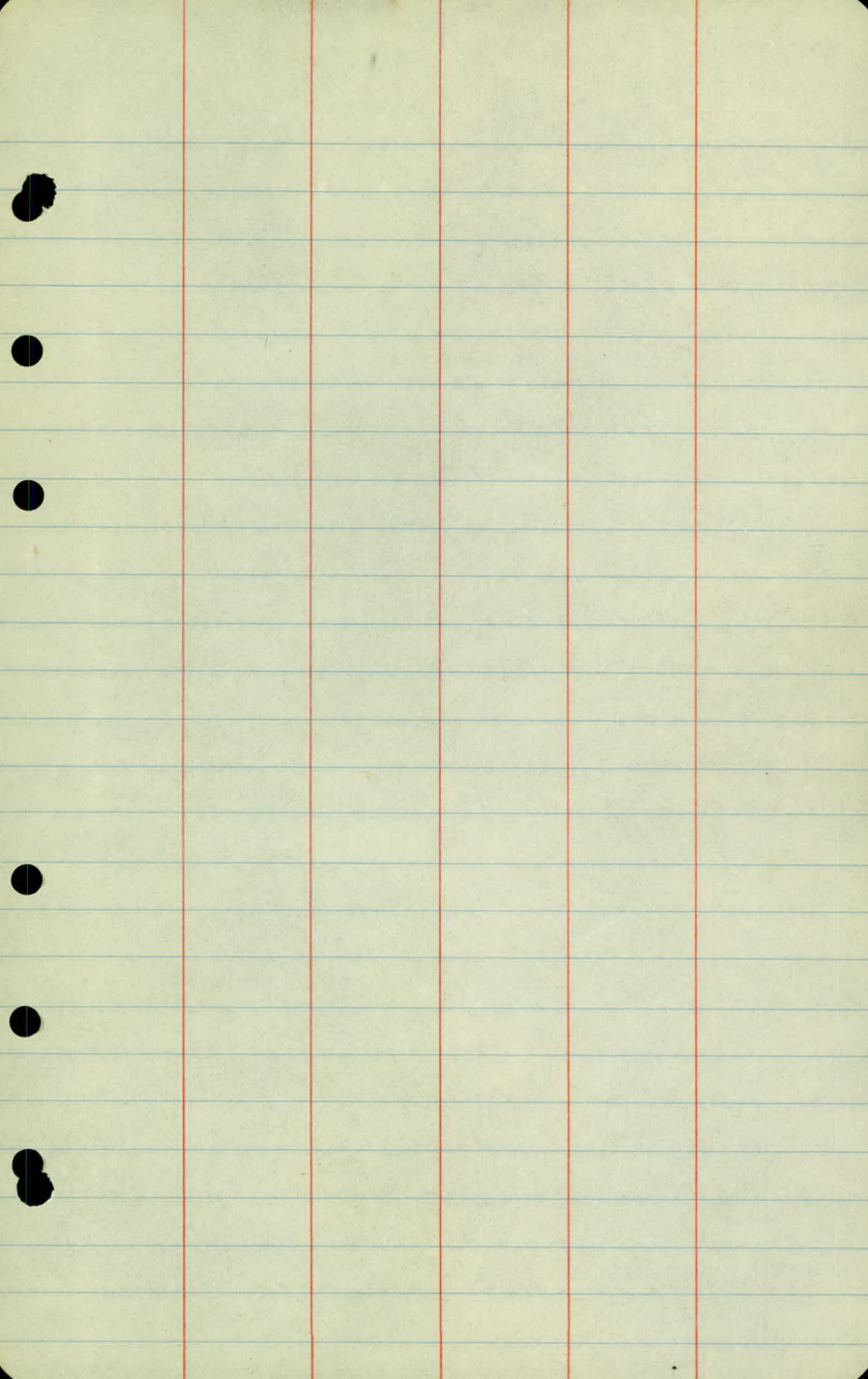
C. 8.5
2.13

↗ C. 10.0
1.63

C. 11.0
1.63

C. 0.0
1337





Sta.	P.G.	P.G.E.		
B.M.	1.58	94702		94544
	2.77	937.18	12.61	934.01
0 +00	1.61	935.63	3.16	934.02
		926.71		
	4.45	925.71	13.37	922.26
End of Sewer = Sta. 4+00				
4 +02	916.98	9.73		
		938.38		926.58
T.P.	11.80	937.38	0.15	925.58
0 +00	921.0	17.38		
+50	20.5	17.88		
1	920.0	18.38		
+50	919.5	18.88		
2	919.0	19.38		
+50		19.88		
3	918.0	20.38		
+50	917.5			
4 +86	917.14	8.57		
T.P.	11.15	939.06	10.47	927.91
T.P.	937	947.01	1.64	937.42
			1.62	945.39

7-9-48

Top Hyd.

L
10'0.5

4

R
10'0.5

C.2.0
773

C.6.9 = Top old culv.
10.47

C.12.5
538

C.13.0
538

C.14.0
488

C.14.5
4.88

C.15.0
4.88

C.15.0
4.38

C.12.5
538

C.13.0
538 ✓

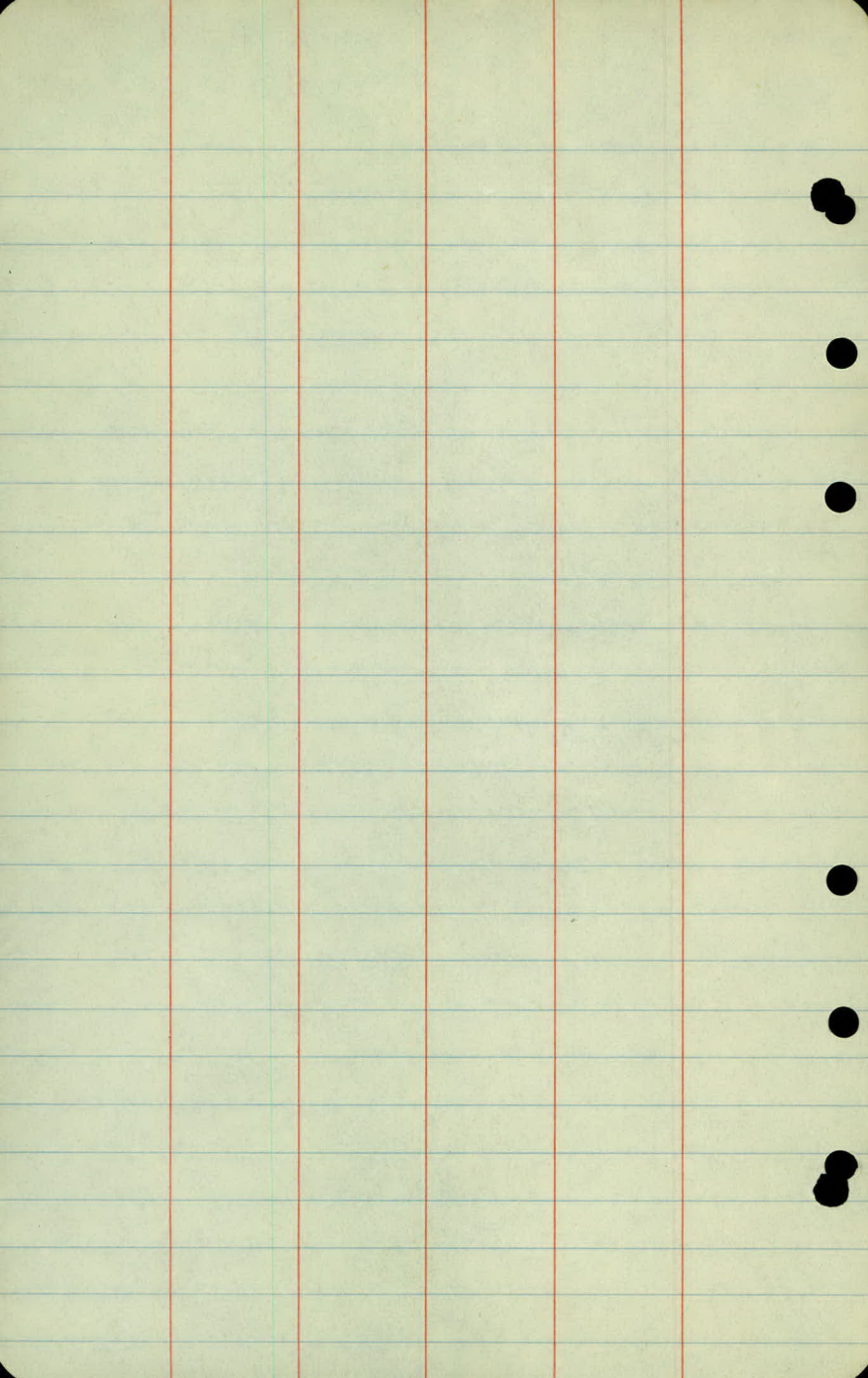
C.14.0
4.38

C.14.5
4.88

C.15.0
4.88

C.15.0
4.38

C.2.0
6.57



County Sewer

Garden Ave.

Sta.	P.G.	P.G.C	-	Elev.
B.M.	070	946.14		945.44

	2.81	937.06	11.89	934.25
--	------	--------	-------	--------

T.B.M.			6.58	930.48
--------	--	--	------	--------

1	100	920.0	17.06	
---	-----	-------	-------	--

1.50	19.5	17.56		
-----------------	-----------------	------------------	--	--

0	100	921.0	16.06	
---	-----	-------	-------	--

T.B.M.	6.15	936.63		930.48
--------	------	--------	--	--------

E Garden Ave.		4.45		
---------------	--	------	--	--

	922.0	4.6	4.6	
--	-------	-----	-----	--

T.B.M.	6.94	937.42		930.48
--------	------	--------	--	--------

70' W. of M.H.	921.14	16.28		
----------------	--------	-------	--	--

on sewer

7-30-48

16.00
10.88
5.12

93.8
1.5
10.88

Top N. End X Drain Under Gordon Ave.

C. 13.0
9.0

C. 14.0	17.56	
3.56	- 3.56	C. 14.0
	14.00	3.56

17.42

37.42
19.50
17.92

37.42
20.50
16.92

17.42
9.00
13.42

4.92
12.00
16.92

37.42
19.50
17.92
4.00
13.92

37.42
21.14
16.28

21.14
16.28
37.42

C. 00
G.E. 9.0
12' West

58'

27.5'

18'

C. 00
G.E. 9.3
12' East

6.8.6
8.28

70'

8-5-48

$$\begin{array}{r} 250 \\ 150 \\ \hline 130 \end{array}$$

$$\begin{array}{r} 326.9 \\ 130 \\ \hline 176.9 \end{array}$$

$$\begin{array}{r} 5.9 \\ 5.5 \\ \hline 11.4 \\ 65 \\ \hline 12.05 \\ 75 \\ \hline 12.80 \end{array}$$

$$\begin{array}{r} 130 \\ 0.5 \\ \hline 1650 \\ .35 \\ .5 \\ \hline 125 \end{array}$$

$$\begin{array}{r} 15 \\ 6.5 \\ \hline 1.75 \end{array}$$

0.100

120

$$\begin{array}{r} 30 \\ 5 \\ \hline .15 \end{array}$$

$$\begin{array}{r} 30 \\ 5 \\ \hline 1.00 \end{array}$$

$$\begin{array}{r} 512.01 \\ 6.11 \\ \hline 505.90 \end{array}$$

$$\begin{array}{r} 26.9 \\ 5 \\ \hline 1345 \end{array}$$

FK
H Lothert
G Montpetet

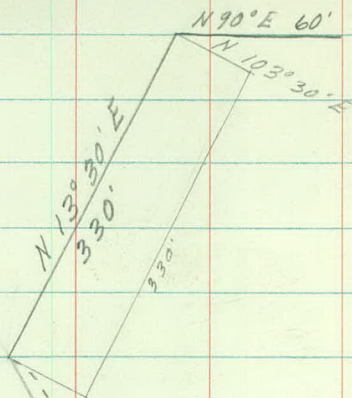
July 19, 1967

1

Larpenteur Drainage
Area

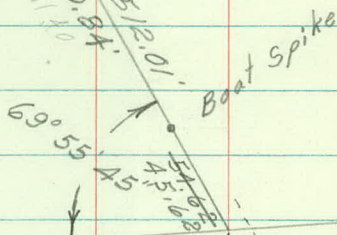
Staking West Line

$13^{\circ} 30'$
 $20^{\circ} 39'$
 $33^{\circ} 69'$
 $34^{\circ} 09'$
 90
 $124^{\circ} 09'$



134.72
 310.84
 54.62
 6.11
 506.29

512.01
 506.29
 5.72
 9
 14.72



$\frac{1}{2}$ Larpenteur

Section Line

July 19, 1967

2

520395

90

11039

34630

110.39

23551

140.4

134.72
6.72
140.44

RJ
DS
GA

JAN. 8, 1975
CLOUDY 30°

LARPEUR AV. EAST OF

HURON ST. LIFT STATION

DISCHARGE PIPE

TOPOGRAPHY

2 PAGES

LT

E

RT

1

PIPE
+ 34 49 → NORTH

+ 34 ANGLE POINT
49

+ 07 PIPE AT CULB

35

32

+ 50

+ 26 PIPE AT CULB
35

+ 20 ANGLE POINT
40

+ 16 POINT ON PIPE
41.5

31

LE CARPENTEUR

12" C.I.P.

